(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 18 August 2005 (18.08.2005)

PCT

(10) International Publication Number WO 2005/074362 A2

(51) International Patent Classification: Not classified

(21) International Application Number:

PCT/IL2005/000119

(22) International Filing Date: 2 February 2005 (02.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 60/541,296 3 February 2004 (03.02.2004) US

- (71) Applicant (for all designated States except US): F. ROBOTICS AQUISITIONS LTD. [IL/IL]; Hatzabar St., P.O. Box 1412, Industrial Zone, 42815 Pardesiya (IL).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): ABRAMSON, Shai [IL/IL]; Har Halutz, 25129 Har Halutz (IL).
- (74) Agent: LANGER, Edward; SHIBOLETH, YISRAELI, ROBERTS, ZISMAN & CO., 46 Montefiore St., 65201 Tel-Aviv (IL).

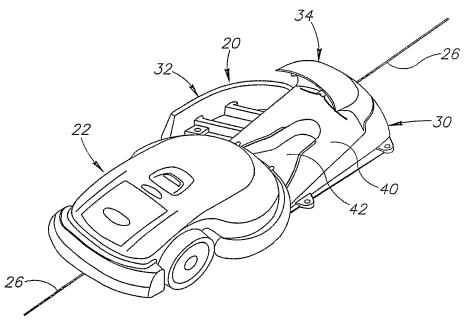
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

 without international search report and to be republished upon receipt of that report

[Continued on next page]

(54) Title: ROBOT DOCKING STATION AND ROBOT FOR USE THEREWITH



(57) Abstract: A docking station and a robot for docking therein, include corresponding transmission parts. These transmission parts are for the transmission of energy, such as electricity, for recharging the robot, and/or signals, for operating the robot, the energy and/or signals passing between the docking station and the robot. The docking station and robot are such that the docking of the robot in the docking station is at a horizontal orientation, as the transmission part on the robot includes laterally protruding docking contacts that contact corresponding laterally oriented contact arms of the docking station.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.